

Harry's Camper Quick Reference

By View Presentation
v19.0

Disclaimer: This documentation includes snapshots from Harry's Camper running iOS8. Availability of views, functionality, and layout may differ in production versions.

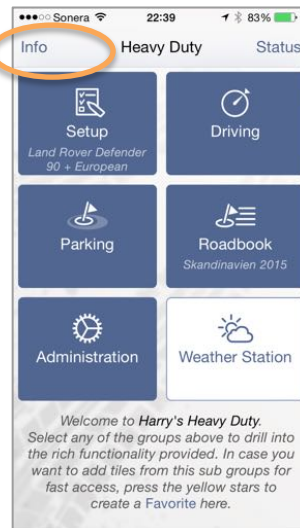
1st Level

Info



Press the gray
button to
contact us or
visit the forum.

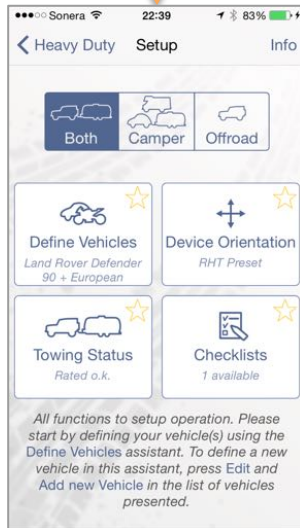
Home



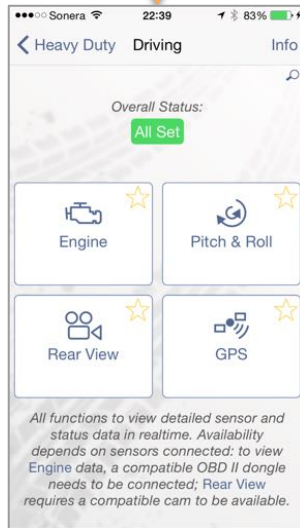
*Home View is the starting
point for everything. Drill
down into the groups by
tapping a tile. Tiles group
sets of matching
functionality.*

*In case you want any of
the detail tiles shown
below to get available on
top level, tap the yellow
star button to make it a
favorite.*

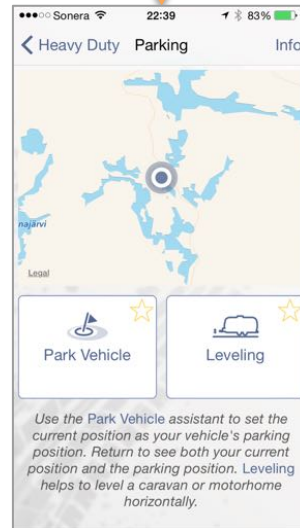
2nd Level



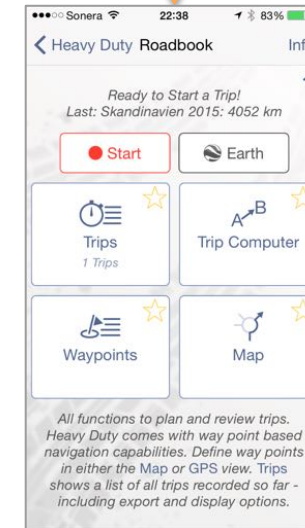
Setup



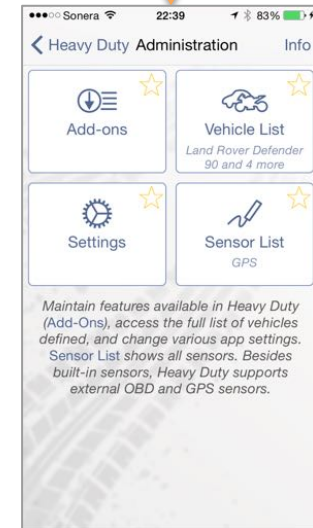
Driving



Parking



Roadbook



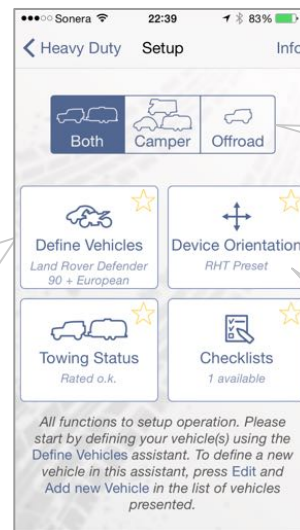
Administration

2nd Level

Camper uses a database of vehicles throughout the app. *Define Vehicle* allows you to select the combination of towing vehicle and trailer active currently.

Functions like the *Towing Status* or the *Leveling Assistants* will use this information.

Setup



The top level segmented control allows you to select either *Camper* or *Offroad* mode. Selecting one of the modes instead of *Both* reduced the tiles to those in focus and simplify the interface..

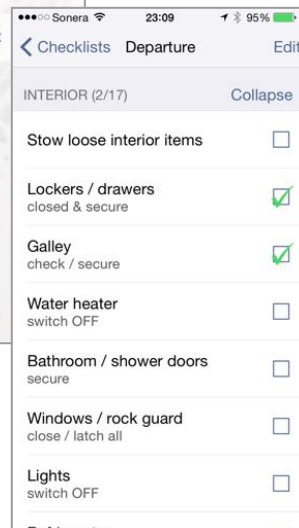
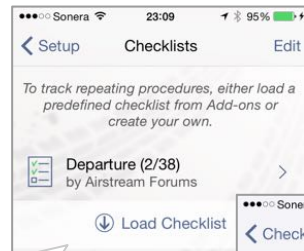
Device Orientation is a function for advanced users. It defines how your device orientation is mapped to driving direction.

3rd Level

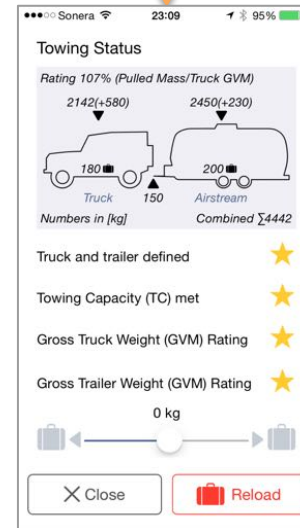
For repeating activities like leaving a camp ground, predefined *Checklists* can be loaded.

You can define your own checklists too.

Ask us in case you want to provide one for others, we are happy to add it.



Checklists



Towing Status

Towing Status shows all masses in a combined way. It runs several checks on limits being met and allows some simulation of moving payload / luggage between TV and trailer.

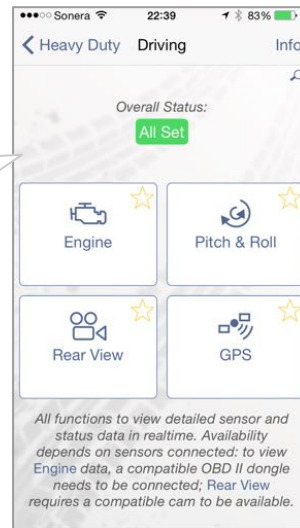
The popular *Tow Rating* is the weight ratio between TV and trailer. The smaller the value, the better driving stability will be.

NB: Even a good rating like 80% is no guarantee for a safe drive. Finally it is always at the driver's own risk.

2nd Level

*Overall Status shows the result of **Camper**'s self check. In case it is yellow or red, touch the gadget and get a detailed problem report and a solution.*

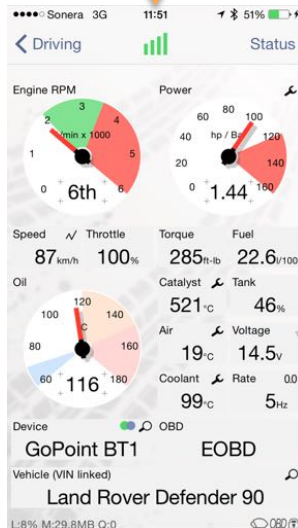
Driving



Driving provides all views you will consider to use while driving.

*To see **Engine** data, an external OBD II adapter is required, **Pitch&Roll** show your car's orientation while standing still. To see a video **Rear View**, you need to connect a HERO3 or a Sony cam, and **GPS** displays current position, speed, height and other stuff.*

3rd Level

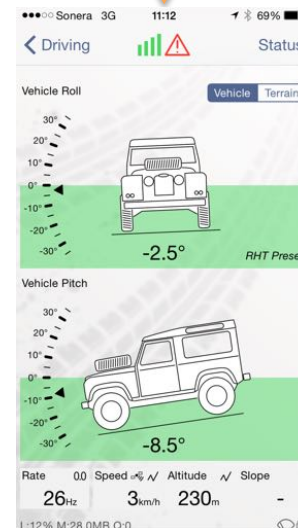


Engine

*Provided you have added a compatible OBD II adapter, **Engine View** shows tons of engine data in real time.*

Data includes both performance data like power / torque, and detailed engine conditions.

Data is shown "smart" and warnings are raised when predefined thresholds are exceeded.



Pitch & Roll

*See the current vehicle orientation while standing still in **Pitch&Roll**.*

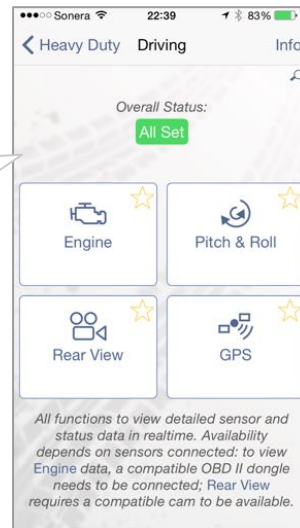
By default, Camper will expect you to have the device mounted in your windscreen with a 5 degree tilt to the front and with a yaw of 25 degree to the driver.

*Individual calibration is available in **Camper's Settings**.*

2nd Level

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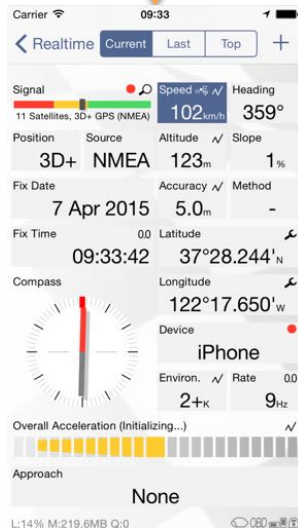
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3rd Level

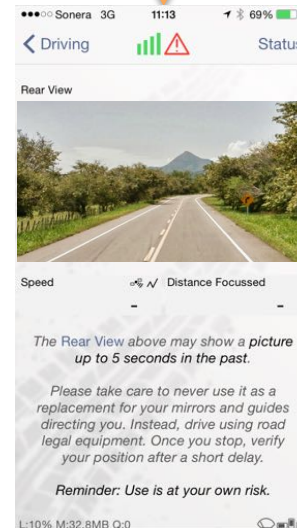


GPS

***GPS View** displays the full breadth of GPS information available. Touch any of the gadget with a small history icon to get a history chart.*

*Select **Top** or **Last** to see recent maximum speeds.*

*In addition to local data, **Environment** shows the general world wide GPS conditions and will warn you in case GPS is off significantly.*



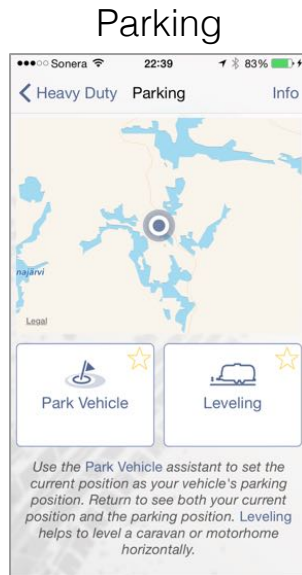
Rear View

*Provided you have a compatible action cam connected by Wi-Fi, **Camper** will show you the cam's view in real time.*

*At the time of writing, **HERO3/3+** and **Sony** cams are supported. **IP** cams will likely follow later.*

***NB:** There can be a latency up to 5 seconds for the display, keep that in mind when using it.*

2nd Level



Parking use cases supported are an assistant to find a vehicle parked somewhere, and a powerful leveling assistant supporting perfect caravan leveling.

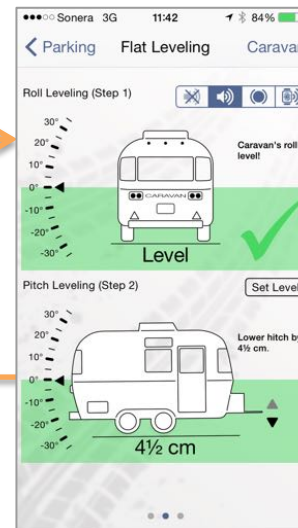
To memorize your parking position, press *Park Vehicle* and press *Set Position*. You will see your vehicle's and your own position in the top map afterwards.

3rd Level



Leveling

4rd Level



Flat Leveling



Cam Leveling

Flat Leveling uses the phone or an external sensor as a spirit level replacement. Instructions will be spoken, and shown on the phone and an optional **Apple Watch**.

Cam Leveling uses the cam and the phone's orientation sensors to show instructions outside of the caravan.

Both assistants will show absolute imperial or metric units (instead of degrees) provided the vehicle's dimensions are defined.

Apple Watch Leveling Scenario



TI SensorTag Leveling Scenario



The **TI SensorTag** is an inexpensive device packed with sensors. **Camper** can use it both as a level sensor and as a local **Weather Station**.

To use the **TI SensorTag** as a level sensor, install it somewhere inside the caravan / motorhome. It will measure levels and send that data to the iPhone wirelessly. Take your iPhone with you to get instructions.

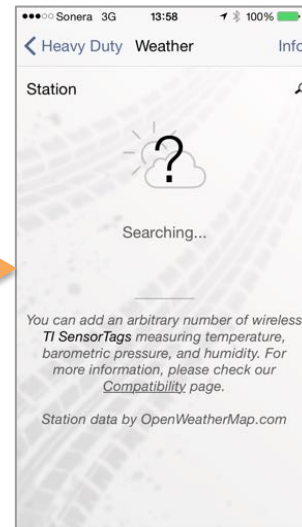
With the iPhone being situated flat in the caravan serving as the level, your **Apple Watch** (connected wirelessly) issues instructions on pitch and roll adjustments.

Weather Station

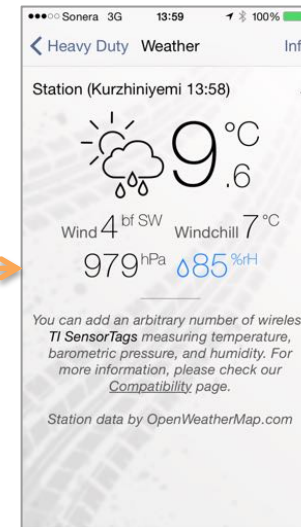
A *Weather Station* is available in **Camper** on top level.



Home



Weather



Weather



SensorTag

Select the tile to start retrieval of data of a weather station nearby.

Besides current weather conditions, *Windchill* is calculated from wind and temperature.

Add an arbitrary number of **SensorTags** to get local measurements and ratings.

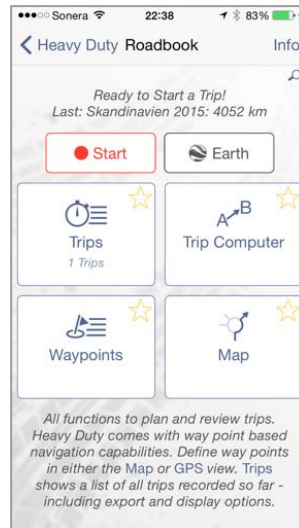
Name the tags (like *Inside*) to get a display of the position environmental conditions are measured.

A *Comfort* level is derived as well as the *Heat Index* (temperature and humidity).



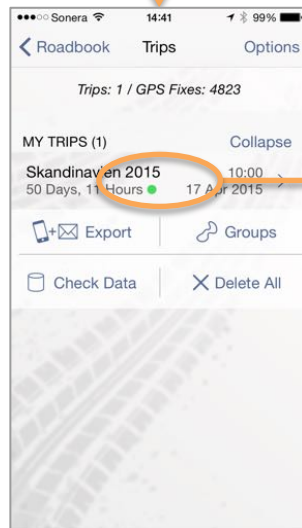
2nd Level

Roadbook



*Roadbook is the area for trip recording and documentation. **Camper** will log trips on request and will create elegant illustrations from it.*

3rd Level



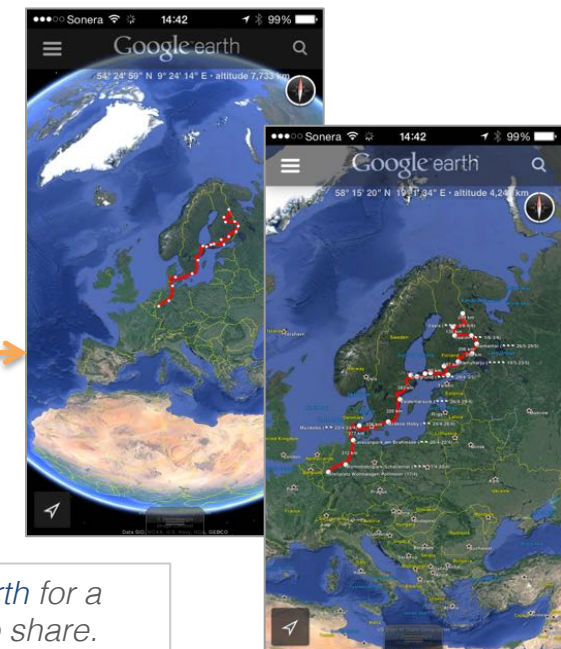
Trips



Trip Details

*A **Trip** is made up from a multi-day recording including automatic station / overnight identification, and daily travel distance calculation.*

*In case you have a **Waypoint** repository installed, it is used automatically to name stations.*

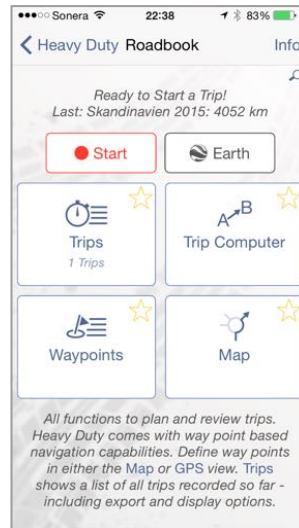


*Press **Google Earth** for a nice illustration to share.*

***Export** will create various other formats.*

2nd Level

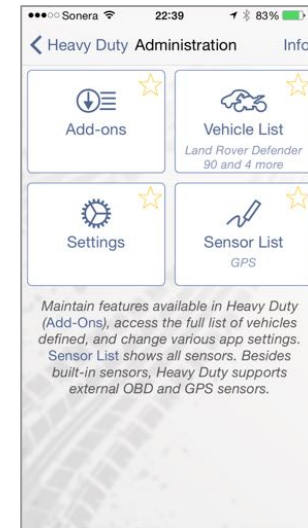
Roadbook



*Camper includes **Waypoint** management to allow you to do some basic navigation and augment your trips.*

*For day trips, use **Trip Computer** to see distances traveled, average speeds etc.*

Administration

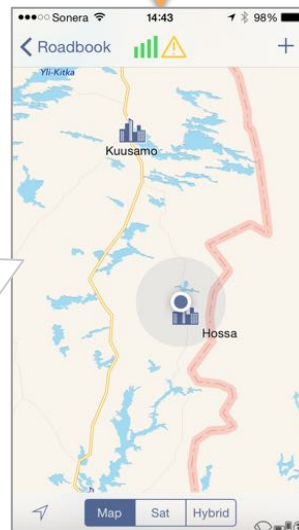


3rd Level

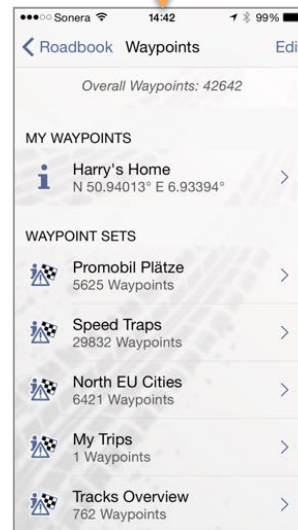
*Predefined waypoint sets are available from **Administration** ▶ **Add-ons***

Please contact us in case you want to have new sets included.

*Use the **Map View** to browse and define your own waypoints (using the + icon)*

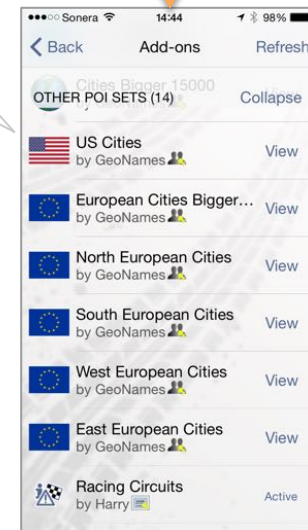


Map



Waypoints

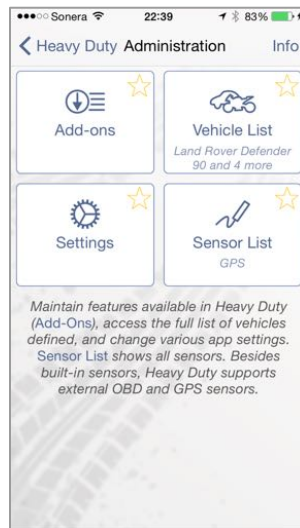
***Waypoints** allows maintenance of downloaded and custom waypoints.*



Add-ons

2nd Level

Administration



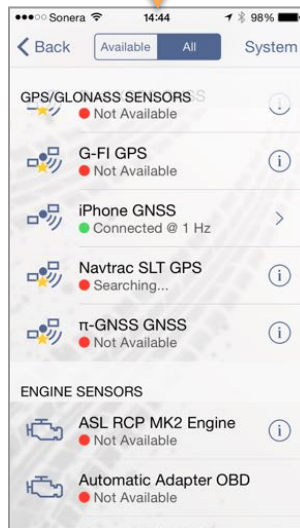
Both primary (towing) vehicles and trailers play a pivotal role in **Camper's** operation.

Vehicle List is the repository of your vehicles, they can be combined to form an actual configuration.

For US cars and trucks, **Camper** can lookup a basic set of details from **Edmund's** repository of vehicles. For trailers and international cars, please enter data yourself.

Data is used for various calculations and for **Engine** data displays.

3rd Level



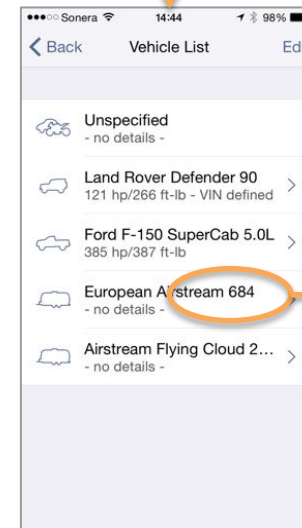
Camper works fine using the internal sensors.

To add more functionality, you can add a wide range of external OBD, GPS, and environmental sensors.

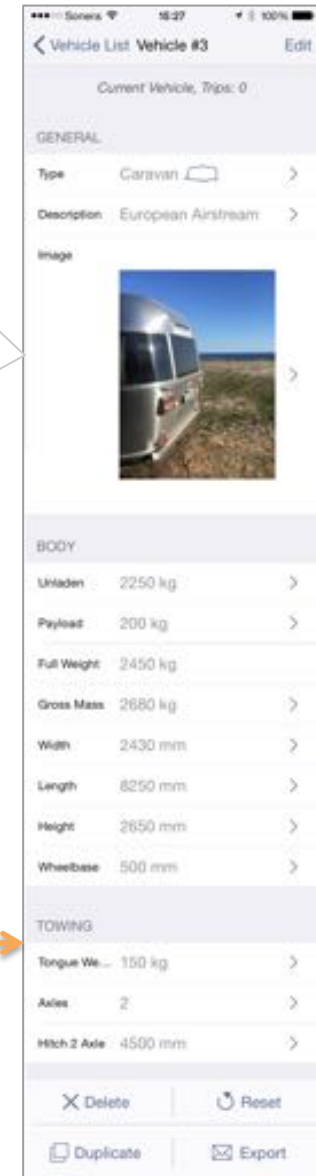
Sensors



Settings



Vehicle List



Vehicle Details

Useful References

- ▶ Harry's Camper on AppStore: <https://itunes.apple.com/app/harrys-heavy-duty-camper-edition/id952167017?mt=8>
- ▶ Harry's Camper on Facebook: <https://www.facebook.com/harrysheavyduty>
- ▶ List of compatible sensors: <http://www.gps-laptimer.de/Compatibility.html>
- ▶ Our homepage: <http://www.gps-laptimer.de>
- ▶ Our forum: <http://www.gps-laptimer-forum.de>
- ▶ Our privacy policy: http://www.gps-laptimer.de/Privacy_Policy.html

- ▶ Personal contact: Harry@gps-laptimer.de